



COMMONWEALTH OF VIRGINIA
Department of Mines, Minerals and Energy
Division of Mined Land Reclamation

Pawpaw Creek TSS Wasteload Report 2017-Q2

07-01-2016 to 06-30-2017

Watershed Information

| | | | |
|-------------------------|-----------|---------------------|-------|
| Stressor: | TSS | Watershed Acres: | 8,377 |
| Wasteload Allocation: | 4,990 | Watershed Permits: | 5 |
| EPA TMDL Approval Date: | 3/27/2007 | Watershed Outfalls: | 45 |

Watershed Wasteload and Reduction Summary¹

| | Pre-TMDL Wasteloads ² | Post-TMDL Wasteloads ³ | Total |
|---|----------------------------------|-----------------------------------|--------|
| Wasteload Allocation Available ⁴ | 4,990 | 0 | 4,990 |
| Wasteload ⁵ | 7,144 | 1,055 | 8,199 |
| Wasteload Balance | -2,154 | -1,055 | -3,209 |
| Wasteload Reduction Required ⁶ | 2,154 | 1,055 | 3,209 |
| Percent Reduction Required ⁷ | 30.2 % | 100.0 % | 39.1 % |

¹ Wasteload units are in kg/year unless otherwise noted.

² Pre-TMDL Wasteloads are calculated from outfalls existing before the EPA's approval of the TMDL.

³ Post-TMDL wasteloads are calculated from outfalls added after the EPA's approval of the TMDL.

⁴ The wasteload allocation available for pre-TMDL outfalls is the approved wasteload allocation for the watershed. The wasteload allocation available for post-TMDL outfalls is any remaining balance not used by pre-TMDL outfalls.

⁵ Wasteloads are calculated on a quarterly basis using reported monitoring data, which includes samples taken when an alternate effluent limitation (AEL) precipitation event is utilized.

⁶ In order to meet the wasteload allocation, all negative wasteload balance (i.e. the amount of wasteload exceeding the wasteload allocation) must be reduced.

⁷ The percent reduction required is used to assign wasteload reductions to permits when the watershed's wasteload exceeds the available wasteload allocation.

Permit Wasteload and Reduction Summary⁸

| Permit Number | Pre-TMDL Wasteload ⁹ | Pre-TMDL Reduction Required ¹⁰ | Post-TMDL Wasteload ¹¹ | Post-TMDL Reduction Required ¹² | Total Wasteload | Total Wasteload Reduction Required |
|---------------|---------------------------------|---|-----------------------------------|--|-----------------|------------------------------------|
| 1201404 | 4 | 1 | 0 | 0 | 4 | 1 |
| 1201724 | 6,638 | 2,002 | 0 | 0 | 6,638 | 2,002 |
| 1101762 | 502 | 151 | 1,054 | 1,054 | 1,556 | 1,206 |
| 1102061 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1202060 | 0 | 0 | 1 | 1 | 1 | 1 |
| Total | 7,144 | 2,154 | 1,055 | 1,055 | 8,199 | 3,209 |

⁸ Wasteload units are in kg/year unless otherwise noted.

⁹ The wasteload calculated from outfalls existing before the EPA's approval of the TMDL.

¹⁰ Pre-TMDL reduction calculated by multiplying the pre-TMDL wasteload by the watershed's pre-TMDL percent reduction required.

¹¹ The wasteload

¹² Post-TMDL reduction calculated by multiplying the post-TMDL wasteload by the watershed's post-TMDL percent reduction required.